

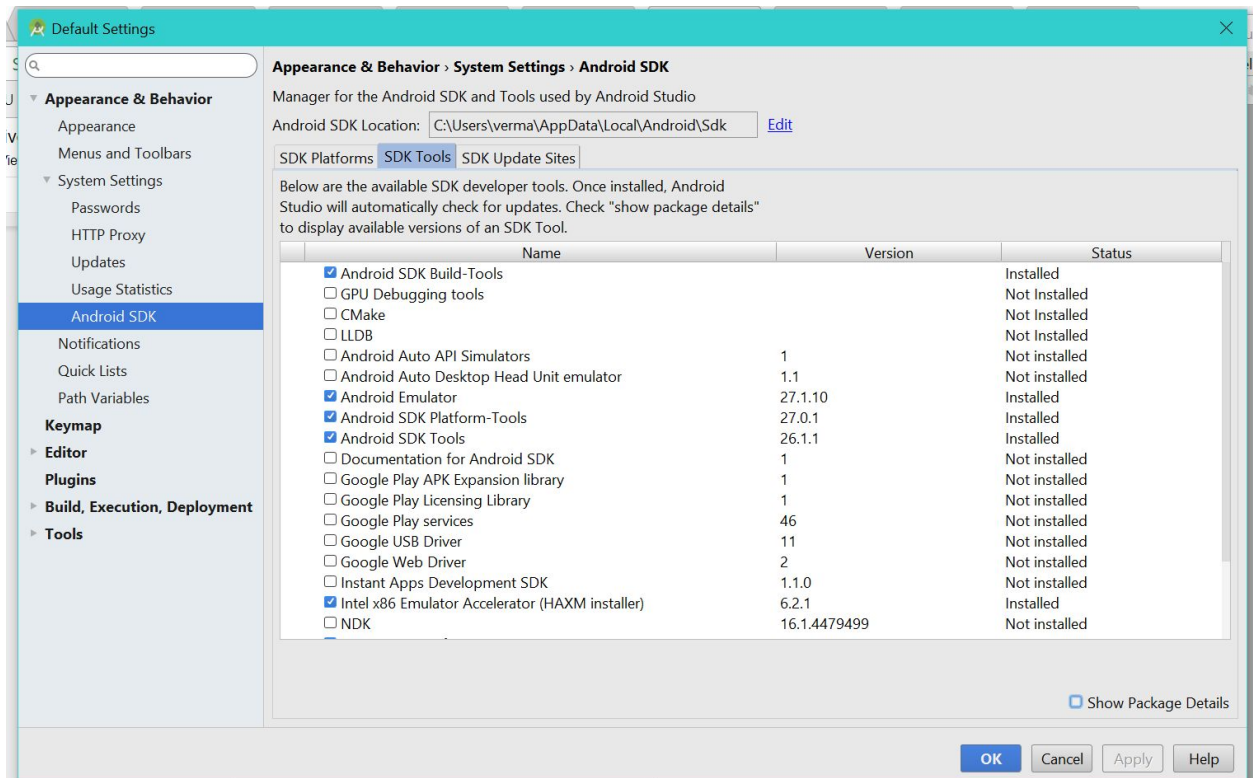
# Windows Installation SDK:

1. Make sure Java is Installed.
2. Download and Install [Android Studio](#)
3. Install SDK,HAXM, Build Tools and System Images

## BUILD TOOLS:

	Name	Version	Status
<input type="checkbox"/>	21.1.0 (Obsolete)	21.1.0	Not installed
<input type="checkbox"/>	21.1.1 (Obsolete)	21.1.1	Not installed
<input type="checkbox"/>	21.1.2	21.1.2	Not installed
<input type="checkbox"/>	22.0.0 (Obsolete)	22.0.0	Not installed
<input type="checkbox"/>	22.0.1	22.0.1	Not installed
<input type="checkbox"/>	23.0.0 (Obsolete)	23.0.0	Not installed
<input checked="" type="checkbox"/>	23.0.1	23.0.1	Not installed
<input checked="" type="checkbox"/>	23.0.2	23.0.2	Not installed
<input checked="" type="checkbox"/>	23.0.3	23.0.3	Not installed
<input type="checkbox"/>	24.0.0	24.0.0	Not installed
<input type="checkbox"/>	24.0.1	24.0.1	Not installed
<input type="checkbox"/>	24.0.2	24.0.2	Not installed
<input type="checkbox"/>	24.0.3	24.0.3	Not installed
<input type="checkbox"/>	25.0.0	25.0.0	Not installed

## SDK PLATFORM TOOLS, ANDROID EMULATOR, ANDROID SDK TOOLS & HAXM Installer



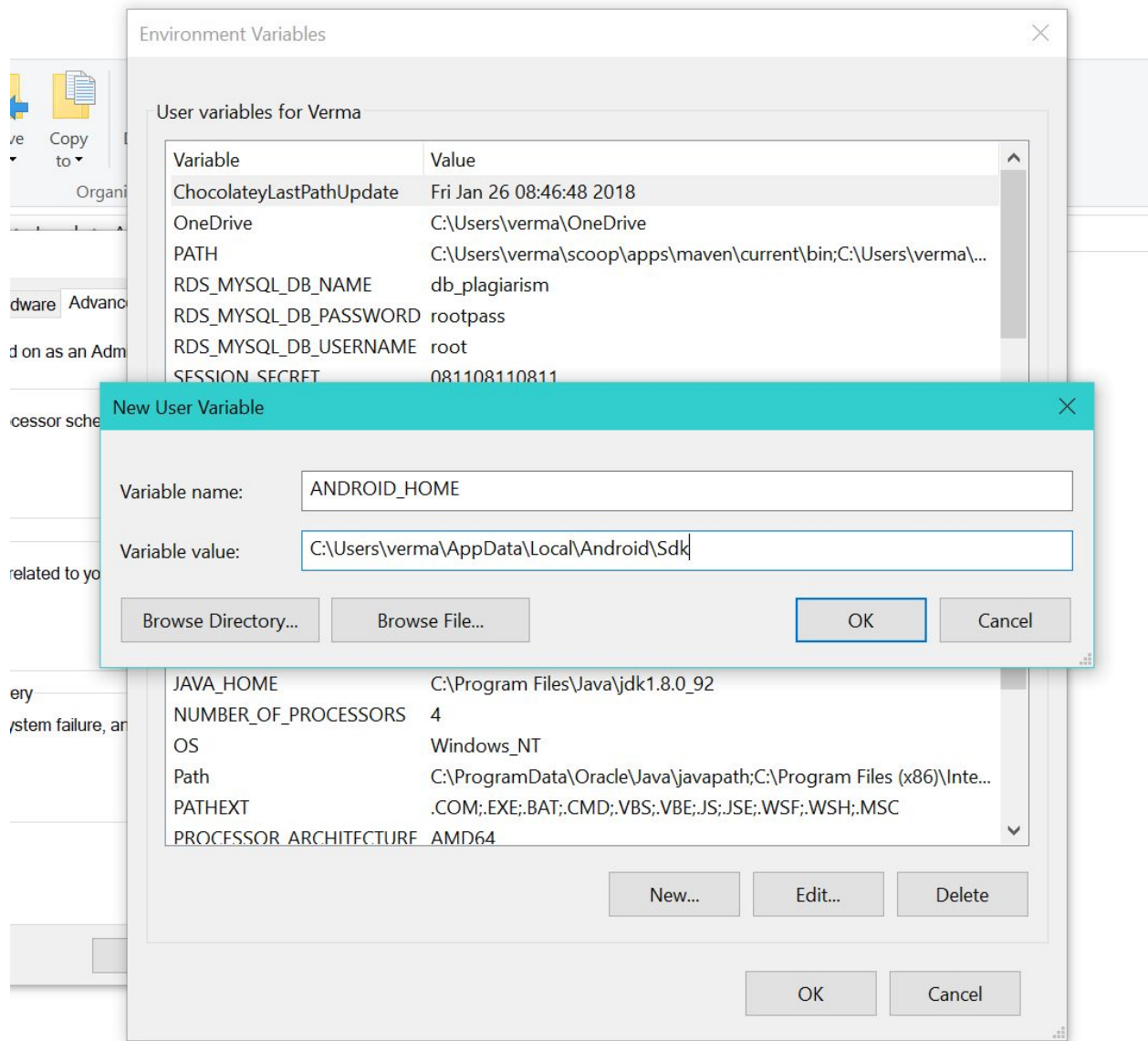
## SYSTEM IMAGE:

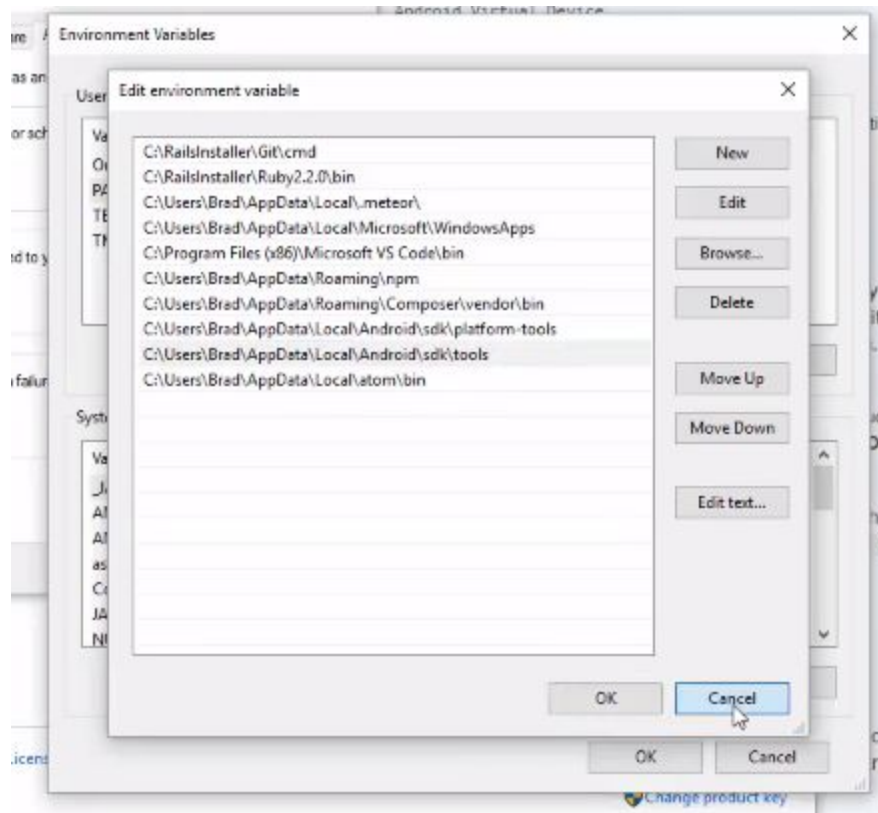
The screenshot shows the 'SDK Platforms' tab in Android Studio. The left sidebar contains a navigation menu with options like 'System Settings', 'Passwords', 'HTTP Proxy', 'Updates', 'Usage Statistics', 'Android SDK', 'Notifications', 'Quick Lists', 'Path Variables', 'Keymap', 'Editor', 'Plugins', 'Build, Execution, Deployment', and 'Tools'. The 'Android SDK' option is selected. The main panel displays a table of SDK components. A text box at the top explains that each package includes the Android platform and sources for a specific API level, and that Studio will check for updates. The table has columns for 'Name', 'API Level', 'Revision', and 'Status'. It lists various system images, including Google APIs, Android SDK Platform, and sources for different API levels (23, 24, 26). The 'Android 6.0 (Marshmallow)' section is expanded, showing that the Google APIs, Android SDK Platform 23, and sources for Android 23 are installed. Other system images like 'Android TV ARM EABI v7a System Image' and 'Android Wear Intel x86 Atom System Image' are listed as 'Not installed'. The 'Android 5.1 (Lollipop)' section is also visible, showing that the Google APIs are 'Not installed'. At the bottom right, there are buttons for 'OK', 'Cancel', 'Apply', and 'Help', along with a checkbox for 'Show Package Details'.

Name	API Level	Revision	Status
<input type="checkbox"/> Google APIs Intel x86 Atom System Image	24	20	Not installed
<input type="checkbox"/> Google APIs Intel x86 Atom_64 System Image	24	20	Not installed
<input type="checkbox"/> Google Play Intel x86 Atom System Image	24	19	Not installed
<b>Android 6.0 (Marshmallow)</b>			
<input checked="" type="checkbox"/> Google APIs	23	1	Installed
<input checked="" type="checkbox"/> Android SDK Platform 23	23	3	Installed
<input checked="" type="checkbox"/> Sources for Android 23	23	1	Installed
<input type="checkbox"/> Android TV ARM EABI v7a System Image	23	12	Not installed
<input type="checkbox"/> Android TV Intel x86 Atom System Image	23	14	Not installed
<input type="checkbox"/> Android Wear ARM EABI v7a System Image	23	6	Not installed
<input type="checkbox"/> Android Wear Intel x86 Atom System Image	23	6	Not installed
<input type="checkbox"/> ARM EABI v7a System Image	23	6	Not installed
<input type="checkbox"/> Intel x86 Atom System Image	23	10	Not installed
<input checked="" type="checkbox"/> Intel x86 Atom_64 System Image	23	10	Installed
<input type="checkbox"/> Google APIs ARM EABI v7a System Image	23	26	Not installed
<input type="checkbox"/> Google APIs Intel x86 Atom System Image	23	26	Not installed
<input checked="" type="checkbox"/> Google APIs Intel x86 Atom_64 System Image	23	26	Installed
<b>Android 5.1 (Lollipop)</b>			
<input type="checkbox"/> Google APIs	22	1	Not installed
<input type="checkbox"/> Android SDK Platform 22	22	2	Not installed

4. Edit Path Variables.

## ANDROID SDK TOOLS , ANDROID TOOLS & PLATFORM TOOLS





##### 5. Create Android Virtual Device

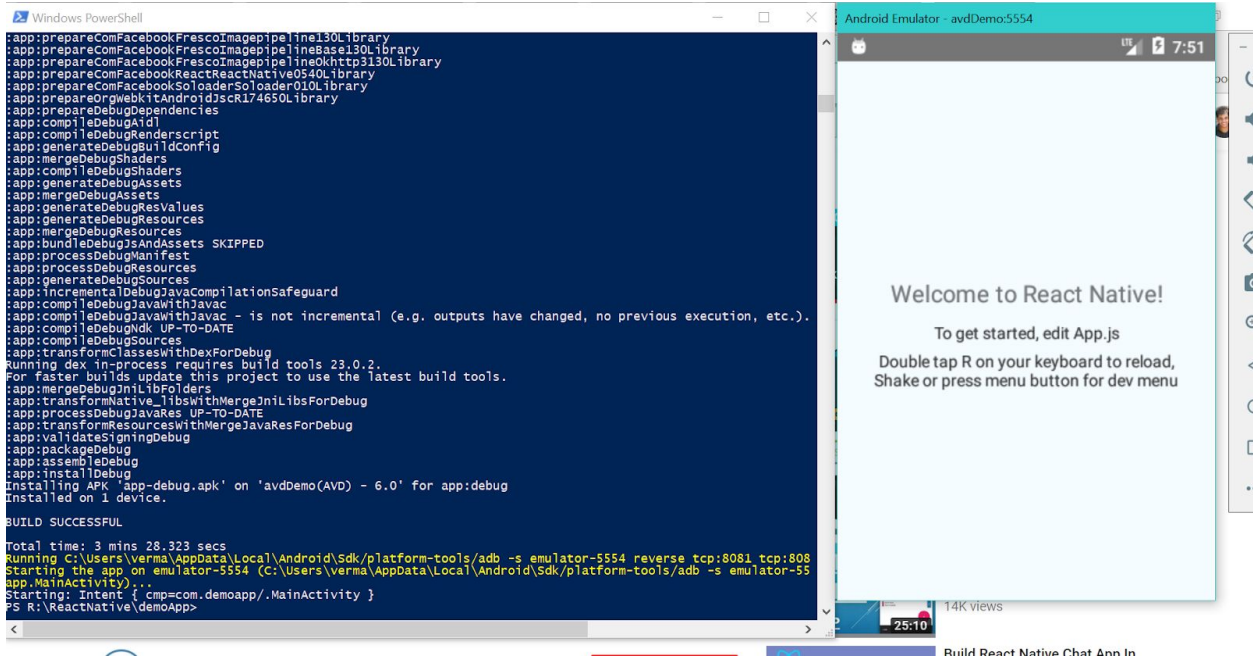
**avdmanager create avd --name 'avd-Demo-name' -k 'system-images;android-23;google\_apis;x86\_64'**

##### 6. In case you get HAXM errors like this **I a.**

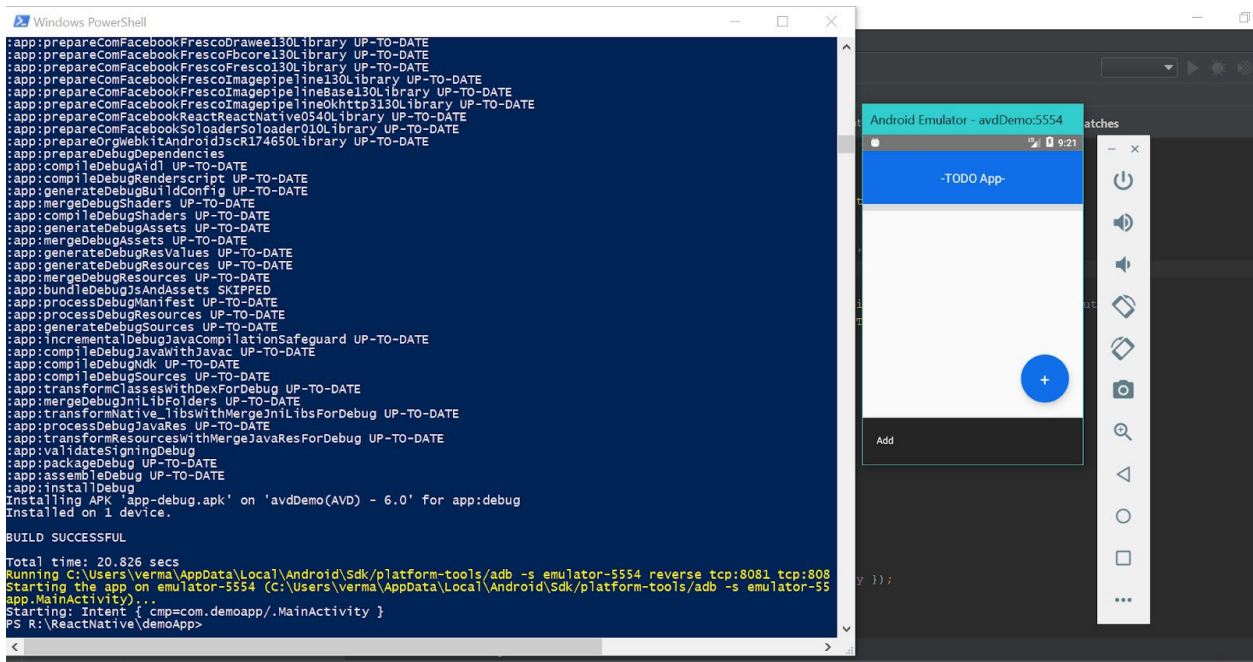
#### Run Demo React App:

1. 'npm install -g react-native-cli' for installing the native react application package cli
2. 'npm install -g yarn' which will be used for starting react-native application
3. 'react-native init demo-app-name' for creating the demo React-Native application from command line.
4. 'react-native start' to start the React packager
5. emulator -avd 'avd-name' to run the emulator created earlier
6. 'react-native run-android' to run into Emulator

After this you will something like this



7. After Cloning the seed application you will get this specific Application



## ERRORS

### I a.

emulator: WARNING: cannot read adb public key file:

C:\Users\\*username\*\android\adbkey.pub

emulator: ERROR: Missing initial data partition file:

C:\Users\\*username\*\android\avd\avdDemo.avd/userdata.img

emulator: ERROR: x86\_64 emulation currently requires hardware acceleration!

Please ensure Intel HAXM is properly installed and usable.

## THEN

1) Open SDK Manager (In Android Studio, go to Tools > Android > SDK Manager) and Download Intel x86 Emulator Accelerator (HAXM installer) if you haven't.

2) Now go to your SDK directory

C:\users\%USERNAME%\AppData\Local\Android\sdk\extras\intel\Hardware\_Accelerated\_Execution\_Manager\ and run the file named intelhaxm-android.exe.

In case you get an error like "Intel virtualization technology (vt,vt-x) is not enabled". Go to your BIOS settings and enable Hardware Virtualization.

3) Restart Android Studio and then try to start the AVD again.

It might take a minute or 2 to show the emulator window.